

-continued

(1) SEQUENCE DESCRIPTION: SEQ ID NO:1:

ACUCUCUCC GCAUCGCGUG CUGCGAGGGC CAGCUGUGGG GCUCGCGGUG GAGGACAAAC 60
 UCUCGCGGUG CUUCCAGUA CUCUUGGAGC GGAACCCG CCGCCUCCGA ACQUACUCCG 120
 CCACCGAGGG ACCUGAGCGA GUCGCGAUCG ACCGGAUCGG AAAACCCUC GAGAAAAGCG 180
 UCUAACCAUG CACAGUCGCA 200

(2) INFORMATION FOR SEQ ID NO:1:

- (1) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 33 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear

(1.1) MOLECULE TYPE: mRNA

(1) SEQUENCE DESCRIPTION: SEQ ID NO:2:

ACUCUCUCC GCAUCGCGUG CUGCGAGGGC CAG 33

(2) INFORMATION FOR SEQ ID NO:3:

- (1) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 12 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear

(1.1) MOLECULE TYPE: DNA (genomic)

(1) SEQUENCE DESCRIPTION: SEQ ID NO:3:

AGCTTTGATC AG 12

(2) INFORMATION FOR SEQ ID NO:4:

- (1) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 12 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear

(1.1) MOLECULE TYPE: DNA (genomic)

(1) SEQUENCE DESCRIPTION: SEQ ID NO:4:

GCACCTGATC AA 12

(2) INFORMATION FOR SEQ ID NO:5:

- (1) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 8 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear

(1.1) MOLECULE TYPE: DNA (genomic)

(1) SEQUENCE DESCRIPTION: SEQ ID NO:5:

GTGATCAA 8

(2) INFORMATION FOR SEQ ID NO:6:

- (1) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 16 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear

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(11) MOLECULE TYPE: DNA (genomic)

(21) SEQUENCE DESCRIPTION: SEQ ID NO:6

GATCTTGATC ACTGCA

16

(2) INFORMATION FOR SEQ ID NO:6:

(1) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 8 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(11) MOLECULE TYPE: DNA (genomic)

(21) SEQUENCE DESCRIPTION: SEQ ID NO:7

CGGATCCG

(2) INFORMATION FOR SEQ ID NO:7:

(1) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 8 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(11) MOLECULE TYPE: DNA (genomic)

(21) SEQUENCE DESCRIPTION: SEQ ID NO:8

CGGATCCG

(2) INFORMATION FOR SEQ ID NO:9:

(1) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 287 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(11) MOLECULE TYPE: DNA (genomic)

(21) SEQUENCE DESCRIPTION: SEQ ID NO:9:

AATTACAGCT GTGGTGTAT GTTCGGTGGT CCTAGGGTG CCGACCGCA TCCTGACTGC 60
 ACGGTGCACC AATGCTTCTG GCCTCAGGCA GCCAATCGGA AGCTGTGGTA TGGCTGTGCA 120
 GGTGCTATAA TCACCGCATA ATTGAGTGC CTCAAAGGCGC ACTCCCGTTC CGGATAATGT 180
 TTTTGTCTCC GACATCATAA CGGTTCCGGC AAATATTCTG AAATGAGCTG TTGACAATTA 240
 ATCATCGAAC TAGTTAACTA GTACGCAAGT TCTGCTAAAA AAGGTAT 287

(2) INFORMATION FOR SEQ ID NO:10:

(1) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 283 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(11) MOLECULE TYPE: DNA (genomic)

(21) SEQUENCE DESCRIPTION: SEQ ID NO:10:

COATACCCIT TTTACGAGAA CTTGCTACT AGTTAACTAG TTCGATGATT AATTGTCAAC 60
 AGCTCATTTC AGAATATTG CCGGAACCGT TATGATGTG GAGCAAAAAA CATTATCCGG 120
 AACGGGAGTG CGCCTTGAGC GACTCGAATT ATCGGCTGAT TATACGACCT GCACAGCCAT 180
 ACCACAGCTT CCGATTGGCT GCCTGACGCC AGAAGCATTG GTGCACCGTG CAGTCGAGAT 240

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CCGCGTCGCGC ACCCTAGCGA ECACCGACCA TAACACCACA GCCTG

283

(2) INFORMATION FOR SEQ ID NO:11:

(1) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 8 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(1.1) MOLECULE TYPE: DNA (genomic)

(x 1) SEQUENCE DESCRIPTION: SEQ ID NO:11:

CCATATGG

(2) INFORMATION FOR SEQ ID NO:12:

(1) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 8 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(1.1) MOLECULE TYPE: DNA (genomic)

(x 1) SEQUENCE DESCRIPTION: SEQ ID NO:12:

CCATATGG

(2) INFORMATION FOR SEQ ID NO:13:

(1) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 8 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(1.1) MOLECULE TYPE: DNA (genomic)

(x 1) SEQUENCE DESCRIPTION: SEQ ID NO:13:

CGTTAACG

(2) INFORMATION FOR SEQ ID NO:14:

(1) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 8 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(1.1) MOLECULE TYPE: DNA (genomic)

(x 1) SEQUENCE DESCRIPTION: SEQ ID NO:14:

CGTTAACG

(2) INFORMATION FOR SEQ ID NO:15:

(1) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 16 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(1.1) MOLECULE TYPE: DNA (genomic)

(x 1) SEQUENCE DESCRIPTION: SEQ ID NO:15:

GGGAAGTGCT GTGAAATATC CACCTGCGGC CTGAGA

36

(2) INFORMATION FOR SEQ ID NO:16:

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- (1) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 45 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear

(11) MOLECULE TYPE: DNA (genomic)

(x1) SEQUENCE DESCRIPTION: SEQ ID NO:16:

CTAGAGGTA TTAATAATGT ATCOATTTAA ATAAGGAGGA ATAACA

46

(2) INFORMATION FOR SEQ ID NO:17:

- (1) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 44 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear

(11) MOLECULE TYPE: DNA (genomic)

(x1) SEQUENCE DESCRIPTION: SEQ ID NO:17:

TATGTTATTC CTCCTTATTT AAATCGATAC ATTATTAATA CCCT

44

(2) INFORMATION FOR SEQ ID NO:18:

- (1) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 22 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear

(11) MOLECULE TYPE: DNA (genomic)

(x1) SEQUENCE DESCRIPTION: SEQ ID NO:18:

GATCTATTAA CTCGAATCTAG AC

22

(2) INFORMATION FOR SEQ ID NO:19:

- (1) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 22 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear

(11) MOLECULE TYPE: DNA (genomic)

(x1) SEQUENCE DESCRIPTION: SEQ ID NO:19:

TCCAGTCTAG ATTGAGTTAA TA

22

(2) INFORMATION FOR SEQ ID NO:20:

- (1) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 572 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear

(11) MOLECULE TYPE: DNA (genomic)

(x1) SEQUENCE DESCRIPTION: SEQ ID NO:20:

AAGCTTTTCT	CATTAAAGGA	AGATTTCCCC	AGGCAOCTCT	TTCAAGGCCT	AAAAAGGTCCA	60
TGAOCTCCAT	GGATTCTTCC	CTGTTAAGAA	CTTTATCCAT	TTTTGCAAAA	ATTGCAAAAAG	120
AATAAGGATT	TCCCCAAATA	GTTTTGCTAG	GCCTCAGAAA	AAGCCTCCAC	ACCCTTACTA	180
CTTGAGAGAA	AGGGTGGAGG	CAGAGGCGGC	CTGGGCCTCT	TATATATTAT	AAAAAAAAAG	240
GCCACAGGGA	GGAGCTGCTT	ACCCATGGAA	TGCAAGCCAAA	CCATGACCTC	AGGAAGGAAA	300

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GTGCATGACT	CACAGGGGAA	TGCAAGCCAAA	CCATGACCTC	AGGAAAGGAAA	GTGCATGACT	360
CACAGGGGAG	AGCTGCTTAC	CCATGGAATG	CAAGCCAAAC	ATGACCTCAG	GAAAGGAAAGT	420
GCATGACTGG	GCAAGCCAGCC	AGTGGCAOTT	AATAAGTGA	CCCCGCCGAC	AGACATGTTT	480
TGCGAGCCTA	GGAATCTTGG	CCTTGTCCCC	AGTTAAACTG	GACAAAAGGCC	ATGGTTCTGC	540
GCCAGGCTGT	CCTTCGAGCG	GTGTTCCGCG	GTCTCTCTCG	TATAGAAACT	CGGACCACTC	600
TGAGACGAAAG	GCTGCGCTCC	AGGCCAGCAC	GAAAGGAGGCT	AAATGGGAGG	GATAGCGGTC	660
GTGTTCCACT	AAGGGGTCCA	CTCGCTCCAG	GGTGTGAAGA	CACATGTCGC	CCTCTTCGGC	720
ATCAAGGAAAG	GTOATTGGTT	TATAGGTGTA	GGCCAGACCG	GGTGTTCCTG	AAAGGGGGGCT	780
ATAAAAAGGG	GTGGGGGCGC	GTTCGTCTCT	ACTCTCTTCC	GCATCGCTGT	CTCGAGGGGC	840
CAGCTGATCA	GCCTAGGCTT	TGCAAAAAAG	TT			872

(2) INFORMATION FOR SEQ ID NO:11:

(1) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 643 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(11) MOLECULE TYPE: DNA (genomic)

(21) SEQUENCE DESCRIPTION: SEQ ID NO:11:

AAGCTTTTCT	CATTAAAGGA	AGATTTCGCC	AGGCAAGCTCT	TTCAAAGGCTT	AAAAAGGTCCA	60
TGAAGTCCAT	GGATTCTTCC	CTGTTAAGAA	CTTTATCCAT	TTTTGCAAAA	ATTGCAAAAAG	120
AATAAGGATT	TCCCCAAATA	GTGTTGCTAG	GCCTCAGAAA	AAGCCTCCAC	ACCCTTACTA	180
CTTGAGAGAA	AAGGTGGAGG	CAGAGGCGGC	CTCGGCTTTC	TTATATATTA	TAAAAAAGAA	240
GGCCACAGGG	AAGAGCTGCT	TACCCATGGA	ATGCAAGCCAA	ACCATGACCT	CAGGAAAGGAA	300
AGTGCATGAC	TCACAAGGGA	ATGCAAGCCAA	ACCATGACCT	CAGGAAAGGAA	AGTGCATGAC	360
TCACAAGGGA	GAGCTGCTTA	CCCATGGAAT	GCAAGCCAAAC	CATGACCTCA	GGAAGGAAAG	420
TGCATGACTG	GGCAAGCAGC	CAGTGGCAAT	TAATACAGGG	TGTGAAGACA	CATGTCGCCC	480
TCTTCGGCAT	CAAGGAAAGG	GAATTGGTTT	ATAAGTGTAG	GCCACGTGAC	CGGGTGTTC	540
TGAAGGGGGG	CTATAAAGAG	GGGTGGGGGC	GCCTTCGTCC	TCACTCTCTT	CCGCATCGCT	600
GTCTGCGAGG	GCCAGTATC	AGCCTAGGCT	TTGCAAAAAG	CTT		643

I claim:

1. ¹ A ² [The] recombinant human protein C molecule produced by inserting a vector comprising the DNA encoding human protein C into an adenovirus-transformed host cell then culturing said host cell under growth conditions suitable for production of said recombinant human protein C. ⁵⁰

2. The recombinant human protein C molecule of claim 1 wherein the adenovirus-transformed host cell is selected from the group consisting of AV12 cells and human embryonic kidney 293 cells. ⁵⁵

3. The recombinant human protein C molecule of claim 2 wherein the adenovirus-transformed host cell is an AV12 cell.

4. The recombinant human protein C molecule of claim 2 wherein the adenovirus transformed host cell is a human embryonic kidney 293 cell.